- b. linearizing the targeting vector within the homologous sequences to form recombinogenic ends;
- c. introducing the linearized targeting vector into a yeast cell containing DNA comprising the defined segment of DNA;
- d. performing mutagenesis of the defined segment of DNA; and
- e. selecting for a recombinant product containing the defined segment of DNA.
- 15. The method of claim 14, wherein said bacterial replication origin is selected from the group consisting of P1 replicon and F factor origin of replication.
- 16. The method of claim 14, wherein the defined segment of DNA is mutated by yeast genetics.
- 17. The method of claim 14, wherein the defined segment of DNA is mutated in bacteria.
- 18. The method of claim 15, further comprising the step of using the defined segment of DNA to create knock-in or knock-out strains of mamphals.
- 19. The method of claim 15, further comprising the step of using the defined segment of DNA to create transgenic embryos.
- 20. The method of claim 14, further comprising manipulating the recombinant product by